

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|---------------------|
| S1 | 1 | "10588659" | US-PGPUB | OR | OFF | 2008/03/10 16:43 |
| S2 | 2425 | 257/103.ccls. | US-PGPUB; USPAT | OR | OFF | 2008/03/10 17:06 |
| S3 | 147 | 257/614.ccls. | US-PGPUB; USPAT | OR | OFF | 2008/03/10 17:08 |
| S4 | 164 | 257/E29.296.ccls. | US-PGPUB; USPAT | OR | OFF | 2008/03/10 17:09 |
| S5 | 238 | 257/78.ccls. | US-PGPUB; USPAT | OR | OFF | 2008/03/10 17:12 |
| S6 | 2075 | ZnS\$ and (Cu or Copper) and ((low\$2 adj resist? nce) or (ohmic contact)) and (p-type or "hole injecting" or "hole injection") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/03/10 17:16 |
| S8 | 1791 | S6 and light | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2008/03/10 17:17 |
| S9 | 1342 | S8 and (resistance or resitivity) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/03/10 17:17 |
| S11 | 715 | S9 and @ad<"20040206" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/03/10 17:18 |
| S12 | 505 | S11 and carrier | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/10 17:19 |
| S13 | 236 | S12 and (Mg or Magnesium) and (Cd or cadmium) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/10 17:21 |

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| S14 | 236 | S13 and (Cl or Chlorine or Br or bromine or I or iodine or Al or Aluminum or Ga or Gallium or In or Indium) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/10 17:22 |
| S15 | 236 | S13 and (Cl or Chlorine or Br or bromine or iodine or Al or Aluminum or Ga or Gallium or In or Indium) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/10 17:23 |
| S21 | 314 | (ZnS or ZnSe or "zinc sulfide" or "zinc selenide") same (cu or copper) same (resistance\$1 or resistivity) same light\$1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/03/10 17:43 |
| S22 | 5 | S21 and (S2 S3 S4 S5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/03/10 17:44 |
| S24 | 7122 | (Zn or zinc) and (Cu or copper) and (Mg or magnesium) and (Cd or Cadmium) and (S or sulfur) and (Se or selenium) and (Te or tellurium) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/03/10 17:56 |
| S25 | 7494 | (Zn or zinc) and (Cu or copper) and (Mg or magnesium) and (Cd or Cadmium) and (ZnS or "zinc sulfide" or S or sulfur) and (ZnSe or "zinc selenide" or Se or selenium) and (ZnTe or "zinc telluride" or Te or tellurium) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/03/10 17:58 |
| S26 | 1 | "3078611".pn. | USPAT | OR | OFF | 2008/03/10 17:58 |
| S27 | 1 | ("5574296").pn. | USPAT | OR | OFF | 2008/03/11 07:38 |
| S28 | 29 | Yanagita-H.in. or Yanagita-Hiroaki.in. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2008/07/11 11:33 |
| S29 | 79 | (Orita-M.in. or Orita-Masahiro.in.) not S28 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2008/07/11 12:32 |

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| S30 | 77 | (Kawazoe-H.in. or Kawazoe-Hiroshi.in.) not (S28 or S29) | US-PGPUB; USPAT | OR | OFF | 2008/07/11 12:37 |
| S31 | 1 | ("5574296").PN. | US-PGPUB; USPAT | OR | OFF | 2008/07/11 13:36 |
| S32 | 0 | "Zn.sub.xCu.sub.1-xS" or "Zn.sub.1-xCu.sub.xS" or "Zn.sub.yCu.sub.1-yS" or "Zn.sub.1-yCu.sub.yS" | US-PGPUB; USPAT | OR | OFF | 2008/07/11 14:43 |
| S33 | 64 | ZnS\$ same (Cu or Copper) same (p-type or "hole injecting" or "hole injection") and @ad<"20040206" and (resist\$nce or resistivity) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/11 14:48 |
| S35 | 24 | ZnS\$ same ((Cu or Copper) same ((resistance or resistivity) near2 low)) and @ad<"20040206" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/11 15:59 |
| S36 | 138 | (ZnS\$ and ((Cu or Copper) same ((resistance or resistivity) near2 low)) and @ad<"20040206") not (S33 or S35) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/11 16:27 |
| S37 | 108 | ((((copper or Cu) same (concentration)) and (concentration same (resistance or resistivity)) and ((resistance or resistivity) same (Cu or copper))) and (ZnS or ZnSe or "Zn-S" or "Zn-Se") and (phosphor or electrolumines\$ or photolumines\$ or light) and @ad<"20040206" and (polycrystal\$6 or "poly crystal\$6" or amorphous\$5) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2008/07/14 14:49 |

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| S38 | 108 | (US-20060043380-\$ or US-20050121052-\$ or US-20040135504-\$ or US-20040046261-\$ or US-20040028912-\$ or US-20040023428-\$ or US-20040011433-\$ or US-20040004289-\$ or US-20040004245-\$ or US-20040000998-\$ or US-20030228249-\$ or US-20030218222-\$ or US-20030209738-\$ or US-20030183306-\$ or US-20030170453-\$ or US-20030157376-\$ or US-20030139003-\$ or US-20030100135-\$ or US-20030091922-\$ or US-20020162419-\$ or US-20020047512-\$ or US-20010049066-\$ or US-20010028872-\$ or US-20010009351-\$).did. or (US-7339187-\$ or US-RE40103-\$ or US-7332813-\$ or US-7258816-\$ or US-7221017-\$ or US-7201972-\$ or US-7115325-\$ or US-6936394-\$ or US-6908516-\$ or US-6896739-\$ or US-6893892-\$ or US-6856089-\$ or US-6852614-\$ or US-6841477-\$ or US-6838297-\$ or US-6752837-\$ or US-6737282-\$ or US-6723428-\$ or US-6673644-\$ or US-6613603-\$ or US-6557569-\$ or US-6544357-\$ or US-6533838-\$ or US-6458223-\$ or US-6420825-\$ or US-6413620-\$).did. or (US-6348114-\$ or US-6318382-\$ or US-6294247-\$ or US-6294246-\$ or US-6278231-\$ or US-6274972-\$ or US-6268050-\$ or US-6254806-\$ or US-6254701-\$ or US-6214195-\$ or US-6210779-\$ or US-6080928-\$ or US-6027797-\$ or US-6023020-\$ or US-6005540-\$ or US-5997836-\$ or US-5909632-\$ or US-5903053-\$ or US-5853866-\$ or US- | US-PGPUB; USPAT; JPO | OR | OFF | 2008/07/14 14:58 |
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| | | 5824566-\$ or US-5804473-\$ or US-5770463-\$ or US-5760538-\$ or US-5756207-\$ or US-5728231-\$ or US-5686214-\$ or US-5667853-\$).did. or (US-5654058-\$ or US-5652877-\$ or US-5650337-\$ or US-5633213-\$ or US-5603983-\$ or US-5526867-\$ or US-5486238-\$ or US-5432011-\$ or US-5421087-\$ or US-5418389-\$ or US-5388328-\$ or US-5350003-\$ or US-5348639-\$ or US-5300735-\$ or US-5298252-\$ or US-5293546-\$ or US-5268339-\$ or US-H001247-\$ or US-5211827-\$ or US-5200001-\$ or US-5163499-\$ or US-5141564-\$ or US-RE33767-\$ or US-5055171-\$ or US-4950173-\$ or US-4853295-\$ or US-4797190-\$).did. or (US-RE29285-\$ or US-3962778-\$ or US-3936577-\$).did. or (JP-06203410-\$).did. | | | | |
| S39 | 76 | ((copper or Cu) same (concentration)) and (concentration same (resistance or resistivity)) and ((resistance or resistivity) same (Cu or copper)) and S38 and (low with (resistance or resistivity)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2008/07/14 15:43 |
| S40 | 10 | 257/607-612.ccls. and (cu or copper) and @ad<"20040206" and (ZnS or ZnSe) | US-PGPUB; USPAT | OR | OFF | 2008/07/14 17:10 |
| S42 | 4 | 257/55.ccls. and (cu or copper) and @ad<"20040206" and (ZnS or ZnSe) | US-PGPUB; USPAT | OR | OFF | 2008/07/14 17:11 |
| S43 | 2 | 257/63.ccls. and (cu or copper) and @ad<"20040206" and (ZnS or ZnSe) | US-PGPUB; USPAT | OR | OFF | 2008/07/14 17:11 |

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| S44 | 14 | 257/614.ccls. and (cu or copper) and @ad<"20040206" and (ZnS or ZnSe) | US-PGPUB; USPAT | OR | OFF | 2008/07/14 17:11 |
| S45 | 27 | 257/78.ccls. and (cu or copper) and @ad<"20040206" and (ZnS or ZnSe) | US-PGPUB; USPAT | OR | OFF | 2008/07/14 17:11 |
| S46 | 108 | 257/103.ccls. and (cu or copper) and @ad<"20040206" and (ZnS or ZnSe) | US-PGPUB; USPAT | OR | OFF | 2008/07/15 09:47 |

7/ 15/ 2008 5:49:34 PM

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